

In the Claims:

Please cancel claim 1 without prejudice or disclaimer

Please amend claims 2-3, and add new claim 4 as shown below:

1. (Cancelled).

2. (Currently Amended) ~~A The ceramic envelope for a high intensity discharge lamp~~ according to claim ~~1~~4, wherein
—— a surface roughness R_{max} of an inner surface of ~~the~~ said barrel section is ~~set at~~ in a range of 0.01 to 0.4 μm ; and
a density of an additive present on ~~the~~ said inner surface of ~~the~~ said barrel section is not more than half a density of ~~the~~ said additive present in a thick central portion of the barrel section.

3. (Amended) ~~A The ceramic envelope for a high intensity discharge lamp~~ according to claim 2, wherein
—— ~~the~~ said additive ~~consists of~~ contains at least one material selected from ~~a~~ the group consisting of Sc_2O_3 , MgO , ZrO_2 , Y_2O_3 and a lanthanoid-based rare earth oxide.

4. (New) A light transmittable ceramic envelope for a high intensity discharge lamp, comprising a barrel section defining a discharge space, said barrel section having integrally formed end portions, said end portions having an inner diameter smaller than an inner diameter of said barrel section to form electrode insertion sections protruding outwardly from said barrel section, wherein a boundary portion between said barrel section and an inner portion of said electrode insertion sections has a radius of curvature R in a range of 0.01 mm to 3.0 mm.

5. (New) The ceramic envelope of claim 4, wherein said barrel section is substantially elliptical.